

Ieva Ignatavičienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

- 2020 – 2024 Biological science (N 010) doctoral student (Vytautas Magnus University and Nature Research Centre).
Dissertation topic: „Genetic diversity of widespread species of fish (perches and roaches) and aquatic plants (duckweed), features of the formation of population genetic structure and changes caused by anthropogenic activities in the Baltic States“, supervisor – dr. (HP) D. Butkauskas.
The work was carried out at the Nature Research Centre, Laboratory of Molecular Ecology.
Research interests: Genetic diversity of various plant and fish species, studies of population genetic structure and research of laboratory lines, conducting experiments caused by various factors, such as UV, electromagnetic radiation.
- 2016 – 2020 Vilnius University, Molecular Biology/ Master.
Master’s thesis topic: „Search and use of informative genetic marker of *Lemna minor* in studies of genetic diversity of wild population and experimental clones“, supervisor – dr. (HP) D. Butkauskas.
The work was carried out at the Nature Research Centre, Laboratory of Molecular Ecology.
Research interests: studies of genetic diversity of model plant species, population genetic structure.
- 2012 – 2016 Vilnius University, Biochemistry/ Bachelor.
The topic of the thesis: „Variety and sensitivity of bacteria isolated from sick cats and dogs to antimicrobial substances“.
The work was carried out at the National Institute for Food and Veterinary Risk Assessment, Department of Bacteriological Research.
Research interests: bacteriology, examination of the sensitivity of bacteria isolated from sick animals to antimicrobial substances.

RESEARCH INTERESTS

Studies of wild populations and laboratory lines of model plant species, creating laboratory lines convenient for conducting experiments under controlled conditions, evaluating the effects of various environmental factors, such as UV and electromagnetic radiation, on growth parameters and the potential to generate point mutations at specific loci. Studies on genetic diversity, population genetic structure, phylogeny, phylogeography, effects of anthropogenic activities on wild populations, effects on nature and humans of fish (e.g. *Rutilus rutilus*, *Perca fluviatilis*).

PUBLICATIONS

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

1. **Ignatavičienė I.**, Vyšniauskienė R., Rančelienė V., Petrošius R., Grauda D., Butkauskas D. 2022. Effects of Low Frequency Electromagnetic Radiation on *Lemna minor* growth parameters and generation of point mutations at GPx, CAT and APx genes. 80th International Scientific Conference of the University of Latvia. University of Latvia, Institute of Biology. *Innovative and Applied Research in Biology. Proceedings*. Volume 4. Jankevica, L. (comp.). Toga, 2022.62 p. ISBN 978-9934-18-919-7

INTERNSHIP AND TRAINING

2022-06 / 08 Flow cytometry and cell sorting techniques (University of Latvia/Environment genetics laboratory, Latvia).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Butkauskas Dalius, **Ieva Ignatavičienė**, Adomas Ragauskas. 2023. Genetic diversity of *Rutilus rutilus* population in Lithuania based on mtDNA D-loop and ATP6 marker. 81st International Scientific Conference of the University of Latvia. *Innovative and Applied Research in Biology. Programm&abstracts LU81 LUBL.pdf*
2. **Ieva Ignatavičienė**, Regina Vyšniauskienė, Vida Rančelienė, Rimantas Petrošius, Dace Grauda, Dalius Butkauskas. 2022. Effects of Low Frequency Electromagnetic Radiation on *Lemna minor* growth parameters and generation of point mutations at GPx, CAT and APx genes. 80th International Scientific Conference of the University of Latvia. University of Latvia, Institute of Biology. *Innovative and Applied Research in Biology. Proceedings*. Volume 4. Jankevica, L. (comp.). Toga, 2022.62 p. ISBN 978-9934-18-919-7 [80 konf Biologijas inst krajums.pdf \(lu.lv\)](#)
3. **Ieva Ignatavičienė**, Dalius Butkauskas. Comparison of informativity of chloroplast microsatellite and nuclear genetic markers of *Lemna minor* and application in genetic diversity studies. 2022. International Conference of Life Sciences. The Coins 2022. [Book of Abstracts 2022 \(thecoins.eu\)](#)